AUTODOC CLUB

How to change spark plugs on **Opel Meriva X03** – replacement guide

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:
OPEL Corsa A CC (S83) 1.4 S (F08, M08, F68, M68), OPEL Corsa A CC (S83) 1.4 i (F08, M08, F68, M68), OPEL Corsa A CC (S83) 1.6 GSI (F08, M08, F68, M68), OPEL Kadett E CC (T85) 1.4 S (C08, C48, D08, D48), OPEL Kadett E CC (T85) 1.6 i (C08, C48, D08, D48), OPEL Kadett E CC (T85) 1.8 i (C08, C48, D08, D48), OPEL Kadett E Saloon (T85) 2.0 i (C19, D19), OPEL Kadett E Caravan (T85) 1.4 S (C15, C35, D15, D35), OPEL Kadett E Caravan (T85) 1.6 i (C15, C35, D15, D35), OPEL Kadett E Caravan (T85) 2.0 i (C15, C35, D15, D35), OPEL Kadett E Convertible (T85) 1.6 i, OPEL Vectra A CC (J89) 1.6 i (F68, M68), OPEL Vectra A Saloon (J89) 1.6 i (F19, M19), OPEL Vectra A CC (J89) 1.6 i Cat (F68, M68), OPEL Vectra A Saloon (J89) 2.0 i (F19, M19), (+ 159)

The steps may slightly vary depending on the car design.

REPLACEMENT: SPARK PLUGS – OPEL MERIVA X03. TOOLS YOU NEED:



- Electronic spray
- High-temperature anti-seize lubricant
- Torque wrench
- Spark plug socket # 16
- Torx bit T20
- Torx bit T30
- Ratchet wrench
- Flat Screwdriver
- Crow bar
- Microfibre towel
- Fender cover

BUY TOOLS

Replacement: spark plugs – Opel Meriva X03. AUTODOC recommends:

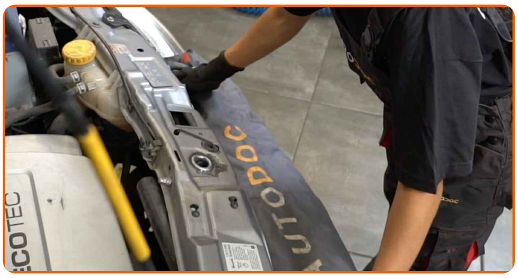
- The replacement procedure is the same for all spark plugs.
- All work should be done with the engine stopped.

REPLACEMENT: SPARK PLUGS – OPEL MERIVA X03. USE THE FOLLOWING PROCEDURE:

1 Open the hood.



2 Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.



3 Unscrew the fasteners of the air distribution housing assembly. Use Torx T20.



4 Remove the air distribution housing assembly.



5 Unscrew the engine cover fastener. Use Torx T30. Use a ratchet wrench.



6 Unscrew the oil filler plug.



7 Remove the oil filler cap.

8 Cover the oil filler opening with a microfibre towel to prevent dirt and foreign objects from getting into the system.



9 Remove the engine cover.



AUTODOC recommends:

- Replacement: spark plugs – Opel Meriva X03. Do not use excessive force when removing the part as this may damage it.

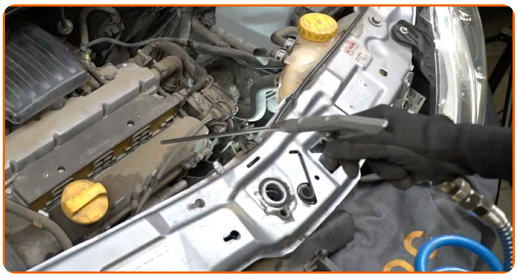
10 Remove the microfibre towel from the oil filler opening.



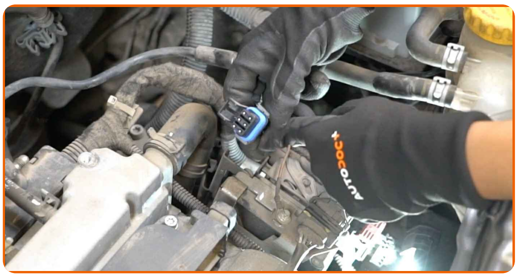
11 Install the oil filler cap.



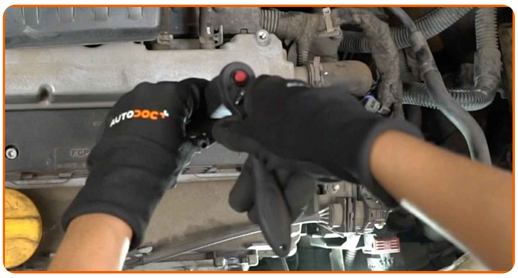
12 Clean the ignition coil bolts.



13 Detach the connector from the ignition coil. Use a flat screwdriver.



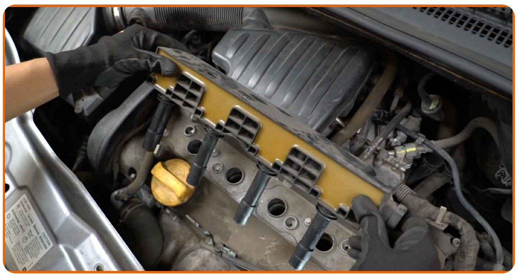
14 Unscrew the ignition coil bolts. Use Torx T30. Use a ratchet wrench.



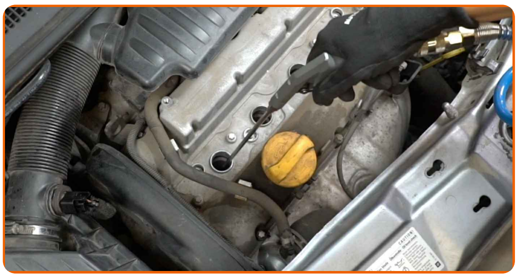
15 Pry up the ignition coil. Use a crowbar.



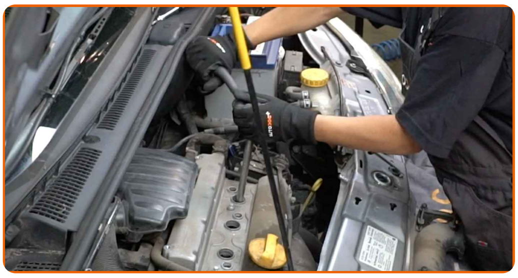
16 Take out the ignition coil from the spark plug well.



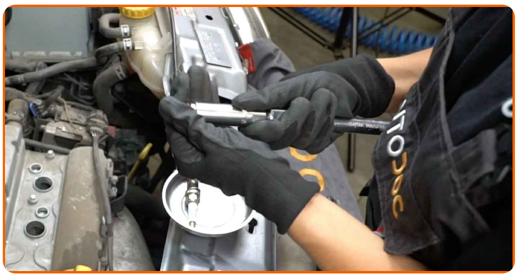
17 Clean dirt, dust and debris from inside the spark plug wells.



18 Unscrew the spark plugs. Use the spark plug socket #16. Use a ratchet wrench.



19 Take out the spark plugs.



20 Apply a thin layer of a special high temperature anti-seize lubricant to the threads of the new spark plugs.



21 Install the new spark plugs into their mounting seats.



22 Screw new spark plugs and tighten them. Use the spark plug socket #16. Use a torque wrench. Tighten it to 24 nm torque.



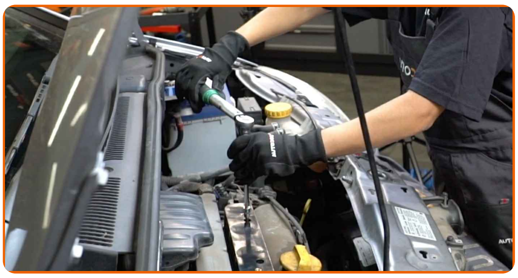
Replacement: spark plugs – Opel Meriva X03. Professionals recommend:

- Don't tighten the plugs with excessive force. Exceeding tightening torque can damage the thread connection.
- Be careful when working with a spark plug wrench. Its skewing can cause damage to the threaded connection.

23 Install the ignition coil to the spark plug well. Make sure you hear a click indicating that it is locked in place.



24 Tighten the ignition coil bolts. Use Torx T30. Use a torque wrench. Tighten it to 7 nm torque.



25 Treat the ignition coil connector with electronic spray. The spray will protect the electrical contacts from corrosion, oxidation, and will reduce the contact resistance.



26 Plug in the ignition coil connector. Make sure you hear a click indicating that it is locked in place.



27 Remove the oil filler cap.

28 Cover the oil filler opening with a microfibre towel to prevent dirt and foreign objects from getting into the system.

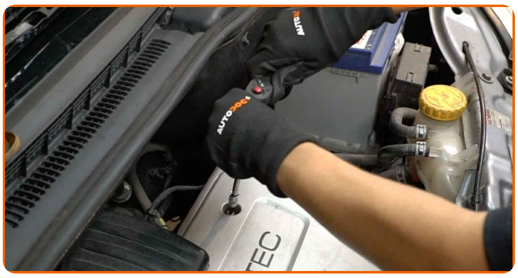
29 Install the engine cover and secure it.



Replacement: spark plugs – Opel Meriva X03. AUTODOC experts recommend:

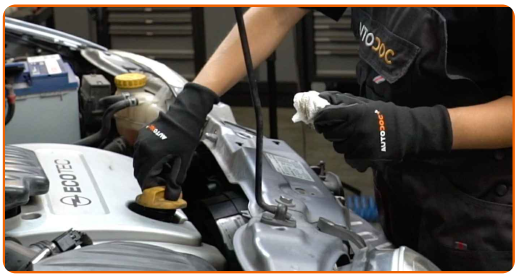
- Make sure the engine cover is properly seated. It should not be displaced with respect to the guiding fasteners.
- Replacement: spark plugs – Opel Meriva X03. To avoid damaging the part during installation, do not use excessive force.

30 Screw in the engine cover fasteners. Use Torx T30. Use a ratchet wrench.



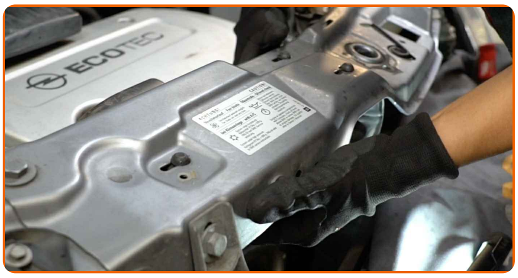
31 Remove the microfibre towel from the oil filler opening.

32 Install the oil filler cap.



33 Tighten the oil filler cap.

34 Reinstall the air distribution housing assembly.



35 Screw in the fasteners of the air distribution housing assembly. Use Torx T20.



36 Run the engine for a few minutes. This is necessary in order to make sure that the component operates properly.



37 Shut off the engine.

38 Remove the fender protection cover.



39

Close the hood.

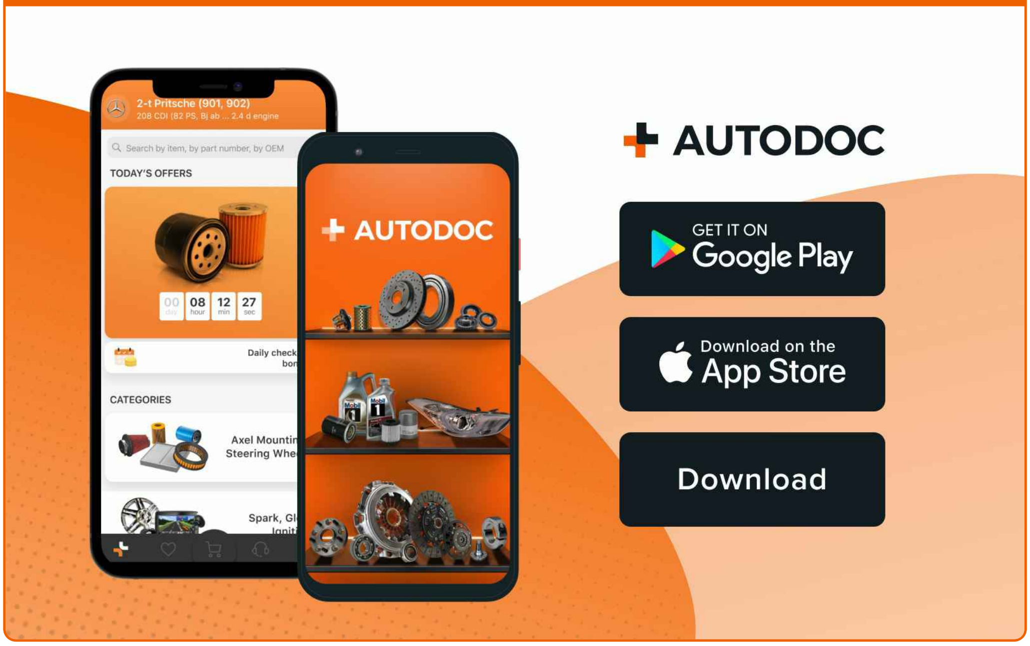


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